

# EFFECTS OF GRAFTED SEEDLING ON PLANT GROWTH AND NUTRITIONAL STATUS OF MELON GROWING IN GREENHOUSE

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In this study, the effects of different rootstocks on plant growth and uptake of plant nutrient elements were studied. Batem 5 and Batem 7 inbred lines which are resistant to *Fusarium oxysporum* f.sp. *melonis* races 0, 1, 2 and tolerant to races 1-2 were used as rootstocks. Canay F1, self grafted Canay F1, Cıtır F1 and 7-42-47 F1 hybrids were used as controls. Canay F1 was used as scion. The experiment was designed in four randomized blocks. Rootstock diameter, scion diameter, plant height, plant nutrient elements in leaves were statistically analysed. Significant differences were found between rootstocks but scion diameter wasn't significant statistically. Rootstocks showed no significant difference in uptaking N, P, Ca.

**Keywords:** Melon, Plant growth, Nutritional status, Rootstock

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